

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Sudhakar Chakka</td><td>10/07/2008</td></tr><tr><td>Steve E. Orwig</td><td>10/07/2008</td></tr><tr><td>Joachim Voelkening</td><td>10/15/2008</td></tr></tbody></table>		Name	Execution Date	Sudhakar Chakka	10/07/2008	Steve E. Orwig	10/07/2008	Joachim Voelkening	10/15/2008
Name	Execution Date								
Sudhakar Chakka	10/07/2008								
Steve E. Orwig	10/07/2008								
Joachim Voelkening	10/15/2008								
RECEIVING PARTY DATA									
Name:	BP Corporation North America Inc.								
Street Address:	4101 Winfield Road								
City:	Warrenville								
State/Country:	ILLINOIS								
Postal Code:	60555								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12252017</td></tr></tbody></table>		Property Type	Number	Application Number:	12252017				
Property Type	Number								
Application Number:	12252017								
CORRESPONDENCE DATA									
Fax Number: (630)821-3383 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone: 630-821-2464									
Email: Carol.Neth@bp.com									
Correspondent Name: Carol M. Neth									
Address Line 1: 4101 Winfield Road									
Address Line 2: Mail Code 534P									
Address Line 4: Warrenville, ILLINOIS 60555									
ATTORNEY DOCKET NUMBER:	39194-00								
NAME OF SUBMITTER:	Carol M. Neth								
Total Attachments: 6 source=39194-00Assign#page1.tif									

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(Joint Inventors)

**Assignment To****BP Corporation North America Inc.**

Warrenville, Illinois, United States of America

Whereas we,

First inventor	Sudhakar Chakka
Post Office Address	4636 Chokeberry Drive
Residence	Naperville, Illinois 60564    Citizenship: USA
Second inventor	Steve E. Orwig
Post Office Address	467 N. Cambridge Drive
Residence	Geneva, Illinois 60134    Citizenship: USA
Third inventor	Joachim Voelkening
Post Office Address	In Des Ruenheg 25 <i>Der Ruenheg 25</i>
Residence	Gelsenkirchen Germany 45897    * <i>Gelsenkirchen</i>

have invented certain new and useful improvements in

**DEVICES AND PROCESSES FOR DEASPHALTING AND/OR REDUCING METALS IN A  
CRUDE OIL WITH A DESALTER UNIT**

identified as    Chakka, Sudhakar

Attorney Docket 39194

and described in an application for patent in the United States of America identified above and executed by us, respectively; and

Whereas, **BP Corporation North America Inc.**, a corporation duly organized and existing under the laws of the State of Indiana, U.S.A., and having a principal office and place of business at Warrenville, Illinois, U.S.A., desires to record a specific assignment to the entire right, title and interest in and to the above-identified invention or inventions, and in and to any Letters Patent therefor in the United States of America and countries foreign thereto;

Now therefore, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration by each of us received, the receipt of which is hereby acknowledged, we jointly and severally have sold and assigned, and hereby do sell and assign, to **BP Corporation North America Inc.**, its successors and assigns, the entire right, title and interest (a) in the above-identified invention or inventions and all improvements and modifications thereof, (b) in the above-identified application, all provisional and non-provisional applications for patent upon which the above-identified application claims benefit, and all other applications for patent of the United States of America and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) in all Letters Patent which may issue from said applications in the United States of America and countries foreign thereto, and (d) in all divisions, reissues, continuations, conversions, and extensions of said applications and Letters Patent; and covenant we have the full

right so to do; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all United States Letters Patent on the invention or inventions included herein to **BP Corporation North America Inc.** as assignee of the entire interest.

We further agree that we shall communicate to **BP Corporation North America Inc.**, its successors and assigns, or their representatives or agents all facts and information known or available to us relating to said invention or inventions, improvements and modifications including evidence for interference, reexamination, reissue, opposition, revocation, conversion, extension, or infringement purposes or other legal, judicial or administrative proceedings, whenever requested; testify in person or by affidavit as required by **BP Corporation North America Inc.**, its successors and assigns, in any such proceeding in the United States of America or a country foreign thereto; execute and deliver, on request, all lawful papers including, but not limited to, original, provisional, non-provisional, divisional, continuation, continuation-in-part, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, and depositions; and provide all reasonable assistance to **BP Corporation North America Inc.**, its successors and assigns, in obtaining and enforcing proper protection for said invention or inventions, improvements and modifications under the intellectual property laws of the United States of America and countries foreign thereto.

In testimony whereof, we have hereunto set our hands and seals, respectively, on the dates set after our respective signatures.

Sudhakar Chakka (L.S.), \_\_\_\_\_, 20 08  
Name

\_\_\_\_\_, (L.S.), \_\_\_\_\_, 20 08  
Signature

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )SS

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 2008, personally appeared each person listed below:

Sudhakar Chakka

each of whom is known to me to be the same person whose name is subscribed to the foregoing instrument, and each of whom acknowledged such instrument was signed, sealed and delivered as that person's free and voluntary act for the uses and purposes set forth therein.

Seal

\_\_\_\_\_  
Notary Public

647006-1

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Steve E. Orwig (L.S.), \_\_\_\_\_, 20 08  
Name

\_\_\_\_\_, (L.S.), \_\_\_\_\_, 20 08  
Signature

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )SS

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 2008, personally appeared each person listed below:

Steve E. Orwig

each of whom is known to me to be the same person whose name is subscribed to the foregoing instrument, and each of whom acknowledged such instrument was signed, sealed and delivered as that person's free and voluntary act for the uses and purposes set forth therein.

\_\_\_\_\_  
Notary Public

Seal

Joachim Voelkening (L.S.), 15 Oct, 20 08  
Name

[Signature] (L.S.), \_\_\_\_\_, 20 08  
Signature

Before me this 15 day of Oct., 2008, Joachim Voelkening personally appeared and is known to me to be the same person whose name is subscribed to the foregoing instrument, and who acknowledge such instrument was signed, sealed and delivered as that person's free and voluntary act for the uses and purposes set forth therein.

[Signature]  
Witness

647006-1

- 3 -

(Joint Inventors)

## Assignment To

### BP Corporation North America Inc.

Warrenville, Illinois, United States of America

Whereas we,

First inventor	Sudhakar Chakka
Post Office Address	4636 Chokeberry Drive
Residence	Naperville, Illinois 60564      Citizenship: USA
Second inventor	Steve E. Orwig
Post Office Address	467 N. Cambridge Drive
Residence	Geneva, Illinois 60134      Citizenship: USA
Third inventor	Joachim Voelkening
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Residence	Gelseukischen Germany 45897

have invented certain new and useful improvements in

### DEVICES AND PROCESSES FOR DEASPHALTING AND/OR REDUCING METALS IN A CRUDE OIL WITH A DESALTER UNIT

identified as Chakka, Sudhakar

Attorney Docket 39194

and described in an application for patent in the United States of America identified above and executed by us, respectively; and

Whereas, **BP Corporation North America Inc.**, a corporation duly organized and existing under the laws of the State of Indiana, U.S.A., and having a principal office and place of business at Warrenville, Illinois, U.S.A., desires to record a specific assignment to the entire right, title and interest in and to the above-identified invention or inventions, and in and to any Letters Patent therefor in the United States of America and countries foreign thereto;

Now therefore, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration by each of us received, the receipt of which is hereby acknowledged, we jointly and severally have sold and assigned, and hereby do sell and assign, to **BP Corporation North America Inc.**, its successors and assigns, the entire right, title and interest (a) in the above-identified invention or inventions and all improvements and modifications thereof, (b) in the above-identified application, all provisional and non-provisional applications for patent upon which the above-identified application claims benefit, and all other applications for patent of the United States of America and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) in all Letters Patent which may issue from said applications in the United States of America and countries foreign thereto, and (d) in all divisions, reissues, continuations, conversions, and extensions of said applications and Letters Patent; and covenant we have the full

right so to do; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all United States Letters Patent on the invention or inventions included herein to **BP Corporation North America Inc.** as assignee of the entire interest.

We further agree that we shall communicate to **BP Corporation North America Inc.**, its successors and assigns, or their representatives or agents all facts and information known or available to us relating to said invention or inventions, improvements and modifications including evidence for interference, reexamination, reissue, opposition, revocation, conversion, extension, or infringement purposes or other legal, judicial or administrative proceedings, whenever requested; testify in person or by affidavit as required by **BP Corporation North America Inc.**, its successors and assigns, in any such proceeding in the United States of America or a country foreign thereto; execute and deliver, on request, all lawful papers including, but not limited to, original, provisional, non-provisional, divisional, continuation, continuation-in-part, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, and depositions; and provide all reasonable assistance to **BP Corporation North America Inc.**, its successors and assigns, in obtaining and enforcing proper protection for said invention or inventions, improvements and modifications under the intellectual property laws of the United States of America and countries foreign thereto.

In testimony whereof, we have hereunto set our hands and seals, respectively, on the dates set after our respective signatures.

Sudhakar Chakka (L.S.), \_\_\_\_\_, 20 08  
Name

*Sudhakar Chakka* (L.S.), October 7, 20 08  
Signature

State of ILLINOIS )  
County of DUPAGE )SS

Before me this 7TH day of OCT., 2008, personally appeared each person listed below:

Sudhakar Chakka

each of whom is known to me to be the same person whose name is subscribed to the foregoing instrument, and each of whom acknowledged such instrument was signed, sealed and delivered as that person's free and voluntary act for the uses and purposes set forth therein.

*Diane M. Witt*  
Notary Public



Steve E. Orwig \_\_\_\_\_ (L.S.), \_\_\_\_\_, 20 08  
Name

Steve E Orwig \_\_\_\_\_ (L.S.), 10/7/08, 20 08  
Signature

State of ILLINOIS )  
County of DUPAGE )SS

Before me this 7<sup>TH</sup> day of OCT., 2008, personally appeared each person listed below:

Steve E. Orwig \_\_\_\_\_

each of whom is known to me to be the same person whose name is subscribed to the foregoing instrument, and each of whom acknowledged such instrument was signed, sealed and delivered as that person's free and voluntary act for the uses and purposes set forth therein.

Diane M. Witt

Notary Public

Seal



Joachim Voelkening \_\_\_\_\_ (L.S.), \_\_\_\_\_, 20 08  
Name

\_\_\_\_\_, (L.S.), \_\_\_\_\_, 20 08  
Signature

Before me this \_\_\_\_\_ day of \_\_\_\_\_, 2008, Joachim Voelkening personally appeared and is known to me to be the same person whose name is subscribed to the foregoing instrument, and who acknowledge such instrument was signed, sealed and delivered as that person's free and voluntary act for the uses and purposes set forth therein.

\_\_\_\_\_  
Witness